

Simpler Triangle Checkerboard

by Arya Akhavan (May 2014)

Angles for R.I. = 1.540

39 + 9 girdles = 48 facets

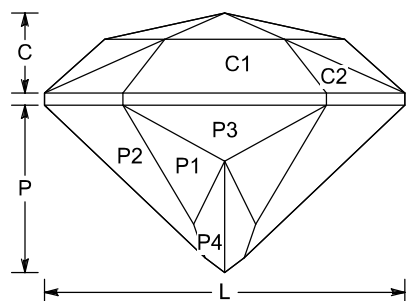
3-fold, mirror-image symmetry

96 index

L/W = 1.009

P/W = 0.469 C/W = 0.224

Vol./W³ = 0.237



PAVILION

P1	44.49°	05-27-37-59-69-91	Cut to centerpoint.
P2	43.50°	08-24-40-56-72-88	Meet at culet.
G1	90.00°	96-32-64	Set stone size.
G2	90.00°	08-24-40-56-72-88	Level girdle.
P3	65.38°	96-32-64	Level girdle.
P4	43.00°	04-28-36-60-68-92	Meet P1, P3

CROWN

C1	50.00°	96-32-64	Set girdle width.
C2	41.86°	08-24-40-56-72-88	Level girdle.
C3	27.35°	16-48-80	Meet G2, C2
C4	14.07°	96-16-32-48-64-80	Meet C1, C2, C3

Having written a simple triangle checkerboard, I decided I wanted to go one step down. This crown is basically halfway between "Simple Triangle Checkerboard" and "Triforce", and it looks surprisingly good for what it is.

Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I prefer it in vermarine.

Suggested size = 6-12 mm

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